

Movies of High-Velocity Fluidized Beds, Joseph Yerushalmi, The City College of The City University of New York, Department of Chemical Engineering, New York, N. Y. 10031

Movies will be shown (courtesy of Albert Godel and Babcock-Atlantique) of both experimental and commercial fluidized beds gasifying coal for the Ignifluid boiler. The movies elucidate the "Godel phenomenon" -- i. e., the accumulation of ash matter in agglomerates of golf-ball size from a bed of coke undergoing gasification by air at temperatures between about 1100° and 1300°C and fluidized at velocities of about 40 ft/sec.

Movies will also be shown of models at The City College of the "fast fluidized bed," in which fine solid is recirculated at velocities between 10 and 20 ft/sec.